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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION OF: Adolf Bernds et al.  
SERIAL NO: 10/508,737 GROUP ART UNIT: 1752  
FILED: January 10, 2005 EXAMINER: Not assigned  
CUSTOMER NO.: 27162  
FOR: Device and method for laser structuring polymers and the use thereof  
ATTY/DKT NO.: 411000-121

MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

DISCLOSURE STATEMENT UNDER 37 CFR 1.56

SIR:

This paper is to bring to the attention of the PTO the following copending U.S. applications, all of which are related in different respects to organic electronic devices and/or method of making such devices such as transistors, diodes, integrated circuits and the like. These applications also are generally related to the various applications noted in applicants' Disclosure Statements filed on December 1, 2004 and April 18, 2005. Many of these applications also have one or more common inventors. The enclosed PTO 1449 lists additional related applications. It is respectfully requested that the Examiner consider and make of record all of the cited applications listed in the enclosed PT 1449.

<u>Application No.</u>	<u>Title</u>	<u>Inventors</u>	<u>Atty. Dkt. No.</u>
10/533,756	Organic Electronic Component with High-Resolution Structuring and Process for the Production Thereof	Wolfgang Clemens et al.	411000-128

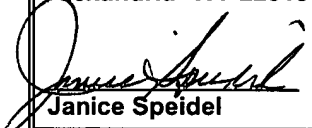
10/534,678	Measuring Apparatus for Determining an Analyte in a Liquid Sample	Wolfgang Clemens et al.	411000-129
10/535,448	Organic Electronic Component Comprising a Patterned, Semi-Conducting Functional Layer and Method for Producing Said Component	Wolfgang Clemens et al.	411000-131
10/535,449	Organic Electronic Component Comprising the Same Organic Material for at Least Two Functional Layers	Adolf Bernds et al.	411000-132
10/344,926	An Electronic Circuit Having an Encapsulated Organic-Electronic Component, and a Method for Making an Encapsulated Organic-Electronic Component	Wolfgang Clemens et al.	411000-133
10/541,815	Organo-Resistive Memory Unit	Axel Gerlt et al.	411000-136
10/541,956	Board or Substrate for an Organic Electronic Device and Use Thereof	Wolfgang Clemens et al.	411000-137
10/541,957	Organic Field Effect Transistor And Integrated Circuit	Walter Fix et al.	411000-138

The Commissioner is authorized to charge payment of any fees associated with this communication or credit any overpayment to Deposit Account No. 03-0678.

**FIRST CLASS CERTIFICATE**

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Janice Speidel

  
Date

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and the Uses thereof  
ATTY/DKT NO.: 411000-121

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SIR:

Pursuant to 37 C.F.R. §1.56(a), Applicant(s) hereby cite(s) the enclosed documents listed on the attached copy of Form PTO-1449 which are believed to be material to the patentability of the above-identified application.

This Information Disclosure Statement is filed in accordance with the paragraph of 37 CFR §1.97 indicated below:

X §1.97(b)

This Information Disclosure Statement is filed:

- (1) Within three months of the filing date of a national application; OR
- (2) Within three months of the date of entry of the national stage of an international application; OR
- (3) Before the mailing of a first Office Action on the merits.  
No fee or statement is required.

\_\_\_\_ §1.97(c) This Information Disclosure Statement is filed after the period specified in paragraph (b) above, but before the mailing date of either:

- (1) A Final Action or under 37 CFR §1.113; OR
- (2) A Notice of Allowance under 37 CFR §1.311; AND

is accompanied by either: (check one)

\_\_\_\_ The statement as specified in 37 CFR §1.97(e) set out below; OR

\_\_\_\_ The fee of \$180.00 under 37 CFR §1.17(p).

\_\_\_§1.97(d) This Information Disclosure Statement is filed after the mailing date of either:

- (1) a Final Action or under 37 CFR §1.113; OR
- (2) A Notice of Allowance under 37 CFR §1.311;

BUT filed on or before payment of the Issue Fee; AND  
is accompanied by:

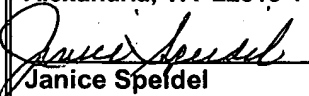

- (1) The statement as specified in 37 CFR §1.97(e) as set forth below; AND
- (2) Petition is hereby made under 37 CFR §1.97(d) for consideration of this Information Disclosure Statement; AND,
- (3) The petition fee of \$180.00 set out in 37 CFR §1.17(i).

\_\_\_§1.97(e) The undersigned Attorney hereby states that:

\_\_\_ each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing date of this Information Disclosure Statement;  
or

\_\_\_ no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, or to the knowledge of the undersigned Attorney after making reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing date of the Information Disclosure Statement.

The Commissioner is authorized to charge payment of any fees associated with this communication or credit any overpayment to Deposit Account No. 03-0678.

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 Janice Spedel	 Date <u>July 28, 2005</u>

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PTO/SB/08a  
(08-03)

Approved for use through 07/31/2006. OMB 0651-0031  
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Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/508,737
				Filing Date	January 10, 2005
				First Named Inventor	Adolf Bernds
				Group Art Unit	1752
				Examiner Name	Not assigned
Sheet	1	Of	4	Attorney Docket Number	411000-121

U.S. PATENT DOCUMENTS					
Examiner Initial*	Cite No. <sup>1</sup>	Document Number Number-Kid Code <sup>2</sup> (if known)	Publication- Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-2002/0056839	05-16-2002	Joo et al.	
		US-2002/0068392	06-06-2002	Lee et al.	
		US-2002/0170897	11-21-2002	Hall	
		US-2002/0195644	12-26-2002	Dodabalapur et al.	
		US-2002/130042	09-19-2002	Steine	
		US-2003/0112576	06-19-2003	Brewer et al.	
		US-2003/0599987	03-27-2003	Sirringhaus Henning et al.	
		US-2004/0002176	0101-2004	Xu	
		US-3,512,052	12-12-1970	MacIver et al.	
		US-3,769,096	10-30-1973	Ashkin	
		US-3,955,098	05-04-1976	Kawamoto	
		US-4,302,648	11-24-1981	Sado et al.	
		US-4,442,019	04-19-1984	Marks	
		US-4,865,197	09-12-1989	Craig	
		US-5,173,835	12-22-1992	Cornett et al.	
		US-5,259,926	11-09-1993	Kuwabara et al.	
		US-5,395,504	03-07-1995	Hoffman et al.	
		US-5,502,396	03-26-1996	Desarzens	
		US-5,569,879	10-29-1996	Gloton et al.	
		US-5,580,794	12-03-1996	Allen	
		US-5,629,530	05-13-1997	Brown et al.	
		US-5,630,986	05-20-1997	Miller	
		US-5,729,428	03-17-1998	Sakata et al.	
		US-5,869,972	02-09-1999	Birch et al.	
		US-5,946,551	08-31-1999	Dimitrakopoulos	
		US-5,994,773	11-30-1999	Hirakawa	
		US-5,997,817	12-07-1999	Crismore et al.	
		US-6,036,919	03-14-2000	Thym et al.	

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		US-6,060,338	05-09-2000	Tanaka et al.	
		US-6,300,141	10-09-2001	Segal et al.	
		US-6,403,396	06-11-2002	Gudesen et al.	
		US-6,429,450	08-06-2002	DeLeeuw et al.	
		US-6,852,583	02-08-2005	Bernds et al.	
		US-6,903,958	06-07-2005	Bernds et al.	

#### FOREIGN PATENT DOCUMENTS

		DE 100 06 257 (title page only)	09-14-2000	IBM		
		DE 100 45 192	04-04-2002	Siemens AG		
		DE 100 47 171	04-18-2002	Siemens AG		
		DE 100 58 559	05-29-2002	Interactive Biotech.		
		DE 101 20 687	10-31-2002	Siemens AG		
		DE 102 19 905	12-04-2003	Osram Opto Semicond.		
		DE 198 52 312 (title page only)	05-20-1999	Nintendo Co.		
		DE 199 18 193 (title page only)	11-25-1999	Cambridge Display		
		DE 199 21 024 (title page only)	11-16-2000	Eichelmann		
		DE 199 35 527	02-08-2001	Giesecke & Devrient		
		DE 199 37 262	03-01-2001	Siemens		
		DE 33 38 597	05-02-1985	GAO Gesellschaft		
		DE 42 43 832	06/30/94	Daimler-Benz AK		
		DE 695 19 782	01-03-2001	News Datacom Ltd.		
		EP 0 128 529	12-19-1984	BASF		
		EP 0 268 370 A2	05-25-1988	Canon Kabushiki Kaisha		X
		EP 0 268 370 A3	05-25-1988	Canon Kabushiki Kaisha		X
		EP 0 350 179	01-10-1990	W & T Avery Ltd.		
		EP 0 966 182	12-22-1999	LG Electronics		
		EP 1 052 594	11-15-2000	Sokymat S.A.		
		EP 1 065 725 A2	01-03-2001	Sei Semiconductor		
		EP 1 065 725 A3	01-03-2001	Sei Semiconductor		
		EP 1 102 335 A2	05-23-2001	Lucent Technologies		X
		EP 1 104 035 A2	05-30-2001	Lucent Technologies		X
		EP 1 134 694	09-19-2001	Infineon Technologies		
		EP 1 237 207	09-04-2002	Fuji Photo Film Co.		
		EP 1 318 084	06-11-2003	Nippon Sanso Corp.		

Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				<b>Complete if Known</b>	
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				Examiner Name	Not assigned
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		GB 2 058 462	04-08-1981	Shin-Etsu Polymer Co.		X
		GB 723,598	02-09-1955	N V Phillips Gloeilampenfabrieken		X
		JP 05347422 (abstract)	12-27-1993	Fujitsu Ltd.		X
		JP 2001085272 (abstract)	03-30-2001	Matsushita Electric Ind.		X
		JP 54069392 (abstract)	06-04-1979	NEC Corp.		X
		JP 61167854	07-29-1986	Murata Mfg. Co. Ltd.		X
		WO 95/06240	03-02-1995	Metrika Laboratories		
		WO 98/18186 (title page only)	04-30-1998	Erico Lightning		X
		WO 99/54936 Corrected Version	10-28-1999	Cambridge Display		
		WO 99/66540	12-23-1999	Opticom ASA		X
		WO 00/33063	06-08-2000	Moorlodge Biotech		X
		WO 01/03126	01-11-2001	Regents of U. of CA		X
		WO 01/06442	01-25-2001	Yip		X
		WO 01/08241	02-01-2001	E Ink Corporation		
		WO 01/17029	03-08-2001	E Ink Corp.		X
		WO 01/27998	04-19-2001	Koninklijke Philips		X
		WO 01/46987	06-28-2001	Plastic Logic Ltd.		
		WO 01/73109 A2	10-24-2001	Iverness Medical		
		WO 01/73109 A3	10-24-2001	Iverness Medical		
		WO 02/05361	01-17-2002	3M Innovative Prop.		
		WO 02/071139	09-12-2002	Acreo AB		X
		WO 02/071505	09-12-2002	Acreo AB		x
		WO 02/15264 A2	02-21-2002	Siemens		
		WO 02/19443	03-07-2002	Siemens		
		WO 02/29912	04-11-2002	Cambridge University		X
		WO 02/43071	05-30-2002	Thin Film Electronics		X
		WO 02/47183	06-13-2002	Siemens		
		WO 02/091495 A2	11-14-2002	Coatue Corporation		X
		WO 02/099907	12-12-2002	Siemens		
		WO 02/099907 abstract	12-12-2002	Siemens		
		WO 02/099908	12-12-2002	Siemens		
		WO 03/046922	06-05-2003	Infineon Technologies		
		WO 03/067680	08-14-2003	Canon Kabushiki Kaisha		
		WO 03/069552	08-21-2003	Rafsec Oy		X
		WO 03/081671	10-02-2003	Siemens AK		



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Sheet	4	5	Attorney Docket Number	411000-121

	WO 03/095175	11-20-2003	ZBD Displays Ltd.		
	WO 04/042837	05-21-2004	Siemens		
	WO 04/042837 abstract	05-21-2004	Siemens		
	WO 04/047144 A2	06-03-2004	Siemens		
	WO 04/047144 A2 (abstract)	06-03-2004	Siemens		
	WO 04/047144 A3	06-03-2004	Siemens		
	WO 04/047144 A3 (abstract)	06-03-2004	Siemens		
	WO 04 /7194 A2	06-03-2004	Siemens		
	WO 04 /7194 A2 (abstract)	06-03-2004	Siemens		
	WO 04 /7194 A3	06-03-2004	Siemens		
	WO 2004/032257	04-15-2004	Leonhard Kurz GmbH		
	WO 2004/083859	0930-2004	Platform Diagnostics Ltd.		X

### NON-PATENT LITERATURE DOCUMENTS

Examiner Initial*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		BRABEC, C.J. et al, "Photoinduced FT-IR spectroscopy and CW-photocurrent measurements of conjugated polymers and fullerenes blended into a conventional polymer matrix", Solar Energy Materials and Solar Cells, 2000 Elsevier Science B.V., pages 19-33.	X
		BRABEC, C.J. et al., "Photovoltaic properties of a conjugated polymer/methanofullerene composites embedded in a polystyrene matrix", Journal of Applied Physics, Vol 85, No. 9, 1999, pages 6866 – 6872.	X
		GOSAIN, D.P., "Excimer laser crystallized poly-Si TFT's on plastic substrates", Second International Symposium on Laser Precision Microfabrication, May 16-18, 2001, Singapore, Vol. 4426, pages 394 – 400.	X
		HARSANYI G. ET AL, "Polytronics for biotronics: unique possibilities of polymers in biosensors and BioMEMS", IEEE Polytronic 2002 Conference, June 23, 2002, pages 211-215	
		LU, Wen et al., "Use of Ionic Liquids for $\pi$ -Conjugated Polymer Electrochemical Devices", Science, Vol 297, 2002, pages 983 – 987/	X
		SHAHEEN, S.E., et al., "Low band-gap polymeric photovoltaic devices", Synthetic Metals, Vol 121, 2001, pages 1583-1584.	X
		TAKASHIMA, W. et al., Electroplasticity Memory Devices Using Conducting Polymers and Solid Polymer Electrolytes", Polymer International, Melbourne, 1992, pages 249 – 253.	
		VELU, G. et al. "Low Driving Voltages and Memory Effect in Organic Thin-Film Transistors With A Ferroelectric Gate Insulator", Applied Physics Letters, American Institute of Physics, New York, Vol. 79, No. 5, 2001, pages 659 – 661.	
		WANG, Hsing et al., "Conducting Polymer Blends: Polythiophene and Polypyrrole Blends with Polystyrene and Poly(bisphenol A carbonate)", Macromolecules, 1990, Vol 23, pages 1053 – 1059.	

Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				<b>Complete if Known</b>	
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	WANG, Yading et al., "Electrically Conductive Semiinterpenetrating Polymer Networks of Poly(3-octylthiophene)", Macromolecules 1992, Vol 25, pages 3284 – 3290.	X
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Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14, individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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